

General Description

DNA cyano06_kaiC

Entire molecule length: 1606 bp

Standard Fields

User Fields

Author(s)

Author

Original author

References

Comments

Feature Map

C-Region (1 total)

kaiC

Start: 23 End: 1582

D-Segment (1 total)

PstI old cut site

Start: 1080 End: 1085

Misc. Feature (5 total)

BBa_G00000 BioBricks site

Start: 1 End: 22

mutation site T->C

Start: 1081 End: 1081

ecoRI site

Start: 1427 End: 1432

mutation site A->G

Start: 1429 End: 1429

BBa_G00001 BioBricks site

Start: 1586 End: 1606

Primer (2 total)

pst2F

Start: 1070 End: 1091

eco1f

Start: 1419 End: 1440

Silencer (1 total)

stop codon #2

Start: 1583 End: 1585

Restriction Map

Enzyme	# of cuts	Positions
EcoRI	1	2
PstI	1	1606
XbaI	1	17
SpeI	1	1588

Sequence

```
1 gaa ttc gcg gcc gct tct aga gat gac ttc cgc tga gat gac tag
ccc taa taa taa ttc tga gca cca agc cat
76 cgc taa gat gcg cac gat gat tga agg ctt tga tga tat tag tca
tgg cgg tct tcc aat cgg gcg atc gac cct
151 cgt tag tgg tac ttc agg aac cgg caa gac cct ttt ttc tat tca
att tct cta taa cgg tat tat cga gtt tga
226 tga gcc tgg ggt ttt cgt tac ttt cga aga aac ccc gca aga tat
cat taa aaa cgc ccg tag ttt tgg ctg gga
301 ttt agc caa gct ggt cga tga ggg caa act att tat tct tga tgc
ttc acc cga tcc aga agg tca aga ggt tgt
376 tgg cgg ctt cga tct ctc tgc tct gat tga gcg gat taa tta tgc
aat tca aaa gta tcg agc gcg gcg ggt ttc
451 aat tga ctc ggt cac gtc cgt ttt cca gca ata tga tgc ctc ttc
tgt ggt tcg ccg cga act ctt tcg gtt ggt
526 agc tcg cct aaa aca aat tgg ggc aac tac ggt cat gac cac cga
gcg tat cga gga ata tgg ccc gat cgc tcg
601 tta cgg tgt tga gga att tgt ctc cga taa cgt cgt gat tct ccg
caa cgt ttt gga agg gga gcg ccg tcg ccg
676 cac cct cga aat cct caa gct acg tgg cac cag cca cat gaa agg
gga ata tcc gtt cac gat tac gga tca tgg
751 cat caa tat ctt ccc gct cgg ggc aat gcg cct tac gca gcg atc
gtc gaa cgt gcg tgt ttc atc tgg tgt cgt
826 ccg act cga tga aat gtg tgg tgg ggg ctt ctt taa gga ctc aat
cat tct ggc aac tgg cgc tac agg cac tgg
901 taa aac tct gtt agt tag ccg ttt cgt tga gaa tgc ttg tgc taa
caa aga gcg ggc gat tct gtt cgc tta tga
976 aga gtc acg agc tca gct gct ccg caa tgc cta ttc atg ggg aat
gga ctt tga gga gat gga gcg cca aaa cct
1051 cct caa aat tgt ttg cgc cta tcc tga atc cgc agg tct tga aga
cca ttt gca gat tat taa gtc gga gat caa
1126 tga ctt taa gcc agc tcg tat tgc aat cga ctc cct ctc tgc ttt
ggc gcg ggg cgt tag caa caa tgc ctt ccg
1201 cca att tgt aat tgg tgt cac tgg cta cgc gaa aca aga aga aat
cac ggg act att cac aaa tac cag tga tca
1276 att tat ggg agc gca ttc gat tac tga ctc cca tat ctc aac aat
tac gga tac gat tat ctt gct cca ata cgt
1351 cga gat tcg tgg cga aat gtc ccg cgc cat taa cgt ctt caa gat
gcg cgg atc ttg gca tga caa agc aat ccg
1426 cga gtt cat gat cag cga caa agg gcc gga cat caa gga ttc ttt
ccg gaa ctt tga gcg gat tat ttc agg ttc
1501 gcc aac acg gat tac cgt cga tga gaa aag cga act ctc gcg aat
tgt gcg cgg cgt tca aga aaa agg gcc gga
1576 gag cta gta gta cta gta gcg gcc gct gca g
```

Component Fragments